I claim:

Sub A1

1. A horseshoe comprising a metal matrix composite, said metal matrix composite being formed from a molten metal selected from the group consisting of aluminum, magnesium, titanium and mixtures thereof, and particles of silicon boride composition selected from the group consisting of silicon tetraboride, silicon hexaboride and mixtures thereof, said silicon boride composition being present in a range from about 0.1 to about 80 weight percent in said molten metal.

2. A horseshoe in accordance with claim 1 wherein said silicon boride composition is silicon hexaboride.

3. A horseshoe in accordance with claim 2 wherein said silicon hexaboride has an average particle size of about 0.1 to about 200 micrometers.

4. A horseshoe in accordance with claim 3 wherein said silicon hexaboride has an average particle size of about 20 micrometers.

5. A horseshoe in accordance with claim 1 wherein said molten metal is aluminum.

6. A horseshoe in accordance with claim 4 wherein said molten metal is aluminum.

7. A horseshoe in accordance with claim 1 wherein said silicon boride composition is present in a range from about 10 to about 45 weight percent.

8. A horseshoe in accordance with claim 3 wherein said silicon hexaboride is present in a range from about 10 to about 45 weight percent.

9. A horseshoe comprising a metal matrix composite, said metal matrix composite being formed from molten aluminum metal and particles of silicon boride composition selected from the group consisting of silicon tetraboride, silicon hexaboride and mixtures thereof, said silicon boride composition being present in a range from about 0.1 to about 80 weight percent in said molten metal.

10. A horseshoe in accordance with claim 9 wherein said silicon boride composition is silicon hexaboride.

11. A horseshoe in accordance with claim 10 wherein said silicon hexaboride has an average particle size of about 0.1 to about 200 micrometers.

12. A horseshoe in accordance with claim 10 wherein said silicon hexaboride has an average particle size of about 20 micrometers.

13. A horseshoe in accordance with claim 9 wherein said silicon boride composition is present in a range from about 10 to about 45 weight percent.

14. A horseshoe in accordance with claim 10 wherein said silicon hexaboride is present in a range from about 10 to about 45 weight percent.

15. A horseshoe comprising a metal matrix composite, said metal matrix composite being formed from molten aluminum metal and particles of silicon hexaboride particles having an average particle of 20 micrometers and being present in a range from about 0.1 to about 80 weight percent in said molten aluminum metal.

16. A horseshoe in accordance with claim 15 wherein said silicon hexaboride is present in a range from about 10 to about 45 weight percent in the molten aluminum metal.